

EXPRESS MAIL LABEL NO.: EL814475051US

ABSTRACT OF THE DISCLOSURE

ADJUSTABLE HARMONIC DISTORTION DETECTOR
AND METHOD FOR USING THE SAME

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There is provided an adjustable harmonic distortion detector that includes a clock
signal source, means for the detection of a first period of evaluation, and means for the
detection of a second period of evaluation. The detector has the characteristic that a first
block memorizes a number equal to the clock pulses present in the first period of evaluation,
a multiplier block performs a multiplication between the number stored in the first block and
a multiplicative factor during the second period of evaluation, and a second block
memorizes the outcome. The second block is adapted to generate an output signal when the
outcome in the second block is equal to zero.

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